

ATTACHMENT A

Claims 1-17 (canceled)

18. (new) Prosthesis for replacement of hollow organs with antibiotic long-term action with a basic structure which defines the form of the prosthesis and which is made of substantially non-absorbable or only slowly absorbable polymer material and of a coating of an absorbable material, with a layer of metallic silver situated on the polymer material and underneath the coating.

19. (new) The prosthesis as claimed in claim 18, wherein the silver layer adheres firmly on the polymer material.

20. (new) The prosthesis as claimed in claim 18, wherein the silver layer is vapor-deposited onto the polymer surface.

21. (new) The prosthesis as claimed in claim 18, wherein silver atoms of the silver layer are impressed into the polymer surface of the basic structure.

22. (new) The prosthesis as claimed in claim 18, wherein the silver layer is a substantially closed layer.

23. (new) The prosthesis as claimed in claim 18, wherein the silver layer is of such thickness that, as it breaks down in the body, a maximum of about 5 to 10% of the layer is removed per annum.

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24. (new) The prosthesis as claimed in claim 18, wherein the silver layer has a layer thickness of 2500 to 1000 Å.

25. (new) The prosthesis as claimed in claim 18, wherein the silver layer is composed exclusively of elemental silver.

26. (new) The prosthesis as claimed in claim 18, wherein the basic structure is porous, the silver layer leaves the pores open, and the absorbable layer is an impregnation which seals the pores of the prosthesis.

27. (new) The prosthesis as claimed in claim 18, wherein the absorbable coating is formed from optionally crosslinked biological material.

28. (new) The prosthesis as claimed in claim 18, wherein the absorbable coating is made of synthetic polymers and copolymers which are absorbable in vivo.

29. (new) The prosthesis as claimed in claim 18, wherein the composition of the absorbable coating is chosen such that it is absorbed at the latest after four months.

30. (new) The prosthesis as claimed in claim 18, wherein the coating of absorbable material in turn contains active substances which are released during absorption of the absorbable coating.

31. (new) The prosthesis as claimed in claim 18, wherein the basic structure is made from a textile material.

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32. (new) The prosthesis as claimed in claim 31, wherein the fibers of the textile basic structure are coated with silver at least at the locations which point toward at least one surface of the prosthesis.

33. (new) The prosthesis as claimed in claim 32, wherein substantially the entire surface of the fibers being coated with silver.

34. (new) The prosthesis as claimed in claim 18, wherein the basic structure is made from a sintered material.

35. (new) The prosthesis as claimed in claim 18, wherein said implant is designed as a vascular prosthesis.